## AMENDMENTS TO THE CLAIMS

The listing of claims below replaces all prior versions, and listings, of claims:

- 1 1. (Original) A heat sink assembly comprising:
- 2 a heat conduit; and
- a block formed of a thermally conductive material having a first thermal
- 4 conductivity,
- 5 the heat conduit extending through a substantial portion of the block,
- 6 the heat conduit having a second thermal conductivity greater than the first
- 7 thermal conductivity.
- 1 2. (Original) The heat sink assembly of claim 1, wherein the first thermal
- 2 conductivity is greater than or equal to about 10.
- 1 3. (Original) The heat sink assembly of claim 2, wherein the first thermal
- 2 conductivity is less than or equal to about 100.
- 1 4. (Original) The heat sink assembly of claim 1, wherein the heat conduit is adapted
- 2 to transfer heat from a heat source along its length.
- 1 5. (Original) The heat sink assembly of claim 4, wherein the block is adapted to
- 2 transfer heat away from the heat conduit.
- 1 6. (Original) The heat sink assembly of claim 1, wherein the block has a first
- 2 segment on one side of a portion of the heat conduit, and the block has a second segment
- 3 on another side of the portion of the heat conduit,
- 4 the first segment having a first heat conduction distance to dissipate heat from the
- 5 heat conduit, and the second segment having a second heat conduction distance to
- 6 dissipate heat from the heat conduit.

- 1 7. (Original) The heat sink assembly of claim 6, wherein the first and second heat
- 2 conduction distances are substantially the same.
- 1 8. (Original) The heat sink assembly of claim 7, further comprising a second heat
- 2 conduit extending through another substantial portion of the block.
- 1 9. (Original) The heat sink assembly of claim 8, wherein the block has a third
- 2 segment on one side of a portion of the second heat conduit, and the block has a fourth
- 3 segment on another side of the portion of the second heat conduit,
- 4 the third segment having a third heat conduction distance to dissipate heat from
- 5 the second heat conduit, and the fourth segment having a fourth heat conduction distance
- 6 to dissipate heat from the second heat conduit.
- 1 10. (Original) The heat sink assembly of claim 9, wherein each of the first, second,
- 2 third, and fourth segments have airflow channels extending therethrough.
- 1 11. (Original) The heat sink assembly of claim 5, wherein the block has airflow
- 2 channels to provide surfaces on the block exposed to airflow.
- 1 12. (Original) The heat sink assembly of claim 1, wherein the thermally conductive
- 2 material comprises a non-metallic material.
- 1 13. (Original) The heat sink assembly of claim 1, wherein the thermally conductive
- 2 material comprises a thermally conductive polymer.
- 1 14. (Original) The heat sink assembly of claim 13, wherein the heat conduit
- 2 comprises a heat pipe.
- 1 15. (Original) The heat sink assembly of claim 13, wherein the heat conduit
- 2 comprises a tubular structure having a bore through which fluid is adapted to flow to
- 3 transfer heat.

- 1 16. (Original) The heat sink assembly of claim 1, further comprising plural other heat
- 2 conduits extending through respective substantial portions of the block.
- 1 17. (Original) The heat sink assembly of claim 1, wherein the heat conduit has a first
- 2 portion and a second portion angled with respect to the first portion, the first portion
- 3 adapted to contact a surface of a heat source.
- 1 18. (Original) The heat sink assembly of claim 17, wherein the block has a vertical
- 2 axis and a horizontal plane formed by two axes, the first portion of the heat conduit
- 3 extending generally along the horizontal plane, and the second portion of the heat conduit
- 4 extending generally along the vertical axis.
- 1 19. (Original) The heat sink assembly of claim 18, wherein the second portion has a
- 2 shape selected from the group consisting of: generally straight, generally S-shaped, and
- 3 shaped as a loop.
- 1 20. (Original) The heat sink assembly of claim 18, further comprising a second heat
- 2 conduit extending through another portion of the block, the second heat conduit having a
- 3 first portion extending generally along the horizontal plane and a second portion
- 4 extending generally along the vertical axis.
- 1 21. (Original) The heat sink assembly of claim 18, wherein the block has a first side
- 2 edge, the second portion of the heat conduit a first distance from the first side edge, the
- 3 first distance being a heat conduction distance of a first segment of the block, the first
- 4 segment of the block to dissipate heat from the heat conduit.
- 1 22. (Original) The heat sink assembly of 21, further comprising a second heat conduit
- 2 extending through another substantial portion of the block, the second heat conduit
- 3 having a first portion extending generally along the horizontal axis and a second portion
- 4 extending generally along the vertical axis, the block having a second side edge, the

- 5 second portion of the second heat conduit a second distance from the second edge, the
- 6 second distance being a second heat conduction distance of a second segment of the
- 7 block, the second segment to dissipate heat from the second heat conduit.
- 1 23. (Original) The heat sink assembly of claim 22, wherein the block has airflow
- 2 channels through at least the first and second segments.
- 1 24. (Original) A method of dissipating heat from a component, comprising:
- 2 providing a block formed of a thermally conductive material having a first
- 3 thermal conductivity; and
- 4 extending an elongated heat conduit through a substantial portion of the block, the
- 5 elongated heat conduit having a second thermal conductivity greater than the first thermal
- 6 conductivity.
- 1 25. (Original) The method of claim 24, wherein extending the elongated heat conduit
- 2 comprises extending a heat pipe.
- 1 26. (Original) The method of claim 24, wherein providing the block formed of the
- 2 thermally conductive material comprises providing the block formed of a thermally
- 3 conductive polymer.
- 1 27. (Original) The method of claim 24, further comprising extending another
- 2 elongated heat conduit through another substantial portion of the block.
- 1 28. (Original) The method of claim 24, further comprising:
- 2 providing a first segment of the block on one side of a portion of the elongated
- 3 heat conduit to dissipate heat from the elongated heat conduit; and
- 4 providing a second segment of the block on another side of the portion of the
- 5 elongated heat conduit to dissipate heat from the elongated heat conduit.

- 1 29. (Original) The method of claim 28, further comprising providing airflow channels
- 2 through the first and second segments.
- 1 30. (Original) The method of claim 29, wherein the block has a horizontal axis and a
- 2 vertical axis, the portion of the elongated heat conduit extending generally along the
- 3 vertical axis.
- 1 31. (Original) A system comprising:
- 2 a component; and
- a heat sink thermally contacted to the component,
- 4 the heat sink having a block formed of a thermally conductive material, the heat
- 5 sink having a first segment and a second segment,
- 6 the heat sink further having a heat conduit extending through the block between
- 7 the first and second segments, the first segment to transfer heat away from the heat
- 8 conduit in a first direction, and the second segment to transfer heat away from the heat
- 9 conduit in a second direction.
- 1 32. (Original) The system of claim 31, wherein the heat conduit comprises a heat
- 2 pipe.
- 1 33. (Original) The system of claim 32, wherein the thermally conductive material
- 2 comprises thermally conductive polymer.
- 1 34. (Original) The system of claim 31, wherein the thermally conductive material has
- 2 a first thermal conductivity, and the heat conduit has a second thermal conductivity
- 3 greater than the first thermal conductivity.
- 1 35. (Original) The system of claim 34, wherein the first thermal conductivity is in a
- 2 range between 10 and 100.

- 1 36. (Original) The system of claim 31, wherein the heat sink further comprises
- 2 airflow channels extending through the first and second segments.
- 1 37. (Original) The system of claim 31, wherein the block further has a third segment
- 2 and a fourth segment, the heat sink further having a second heat conduit extending
- 3 between the third and fourth segments.
- 1 38. (Original) The system of claim 37, wherein the thermally conductive material
- 2 comprises thermally conductive polymer.
- 1 39. (Original) The system of claim 37, wherein the heat conduits comprise heat pipes.
- 1 40. (New) A heat sink assembly comprising:
- 2 a heat conduit; and
- a block formed of a thermally conductive material having a first thermal
- 4 conductivity,
- 5 the heat conduit extending through a substantial portion of the block,
- 6 the heat conduit having a second thermal conductivity greater than the first
- 7 thermal conductivity,
- 8 the block having airflow channels adjacent the heat conduit to provide surfaces in
- 9 the block exposed to airflow.
- 1 41. (New) The method of claim 24, wherein the block transfers heat from the
- 2 elongated heat conduit, the method further comprising forming airflow channels in the
- 3 block adjacent the elongated heat conduit to expose surfaces of the block to air flow.
- 1 42. (New) The method of claim 41, wherein the elongated heat conduit has a first
- 2 portion angled with respect to a second portion, the first portion extended into the block,
- 3 the method further comprising thermally contacting an outer surface of the second
- 4 portion to a heat-producing device.

- 1 43. (New) The system of claim 31, wherein the heat conduit has a first portion
- 2 extending through the block, and the heat conduit has a second portion angled with
- 3 respect to the first portion, an outer surface along a length of the second portion being
- 4 thermally contacted to the component.